

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-317460

(43)Date of publication of application : 16.11.1999

(51)Int.Cl.

H01L 21/8234

H01L 27/088

H01L 27/04

H01L 21/822

(21)Application number : 11-041608

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(22)Date of filing : 19.02.1999

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(30)Priority

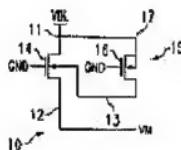
Priority number : 98 36035 Priority date : 06.03.1998 Priority country : US

(54) SYSTEM FOR CONTROLLING ELECTRIC CURRENT QUANTITY

(57)Abstract:

PROBLEM TO BE SOLVED: To suppress the flows of electric currents from a drain to a source and a substrate by forming a p-n diode of the first terminal and substrate of a first device, when the power supply is turned off and a diode element connected in series with the diode of the first terminal and substrate of the mechanism.

SOLUTION: A system for controlling the quantity for electric current controls the quantity of the electric current flowing into the substrate 13 of a first device 10 from the first terminal 12 of the device 10. The channel of the first device 10 is of a p-type, and the second terminal 11 of the device 10 is connected to a power source. The system is provided with a mechanism 15, having a first terminal 12 connected to the first device 10 and a second terminal 17 connected to the second terminal 11 of the first device 10. When the power supply is turned off, the first terminal 12 and substrate 13 of the first device 10 form a p-n diode. In addition, the first terminal and substrate 13 of the mechanism 15 constitute a diode element, which is connected in series with the first diode and prevents the occurrence



of such a situation that a serial threshold voltage exceeds the voltage related to the electric current, and as a result, the electric current flows.